

IN THE CLAIMS

1 1. (Amended) A packet voice gateway, comprising:
2 a first port adapted to interface a circuit switched network;
3 a second port adapted to interface a packet based signals network;
4 a first converter to convert first line side local switch signaling to packet based
5 signaling~~packet based signals arriving at the first port to circuit switched signals; and~~
6 a second converter to convert first 64 Kbps voice payload to first Voice over Internet
7 Protocol (IP) packets~~circuit switched signals arriving at the second port to packet based signals;~~
8 and
9 interconnection circuitry to inter connect the first and second ports.

1 2. (New) The apparatus of Claim 1, further comprising:
2 a third converter to convert second Voice over IP packets to second line side local switch
3 signaling; and
4 a fourth converter to convert third Voice over IP packets to second 64 Kbps voice
5 payload.

1 3. (New) The apparatus of Claim 1, wherein the first converter comprises a V5.2 switch
2 interface.

1 4. (New) The apparatus of Claim 1, wherein the packet based signaling is compliant
2 with Media Gateway Control Protocol.

1 5. (New) The apparatus of Claim 1, wherein the packet based signaling is compliant
2 with Signaling Gateway Control Protocol.

1 6. (New) The apparatus of Claim 1, wherein the packet based signaling is compliant
2 with H.323.

1 7. (New) The apparatus of Claim 1, wherein the packet based signaling is compliant
2 with Session Initiation Protocol.

3 8. (New) The apparatus of Claim 1, wherein the first Voice over IP packets are
4 transmitted to a cable modem with a multimedia terminal adapter.

5 9. (New) The apparatus of Claim 1, wherein the first Voice over IP packets are
6 transmitted to a cable modem termination system with an edge router.

1 10. (New) A method for managing signals, comprising:
2 converting first line side local switch signaling to packet based signaling; and
3 converting first 64 Kbps voice payload to first Voice over Internet Protocol (IP) packets.

1 11. (New) The method of Claim 10, further comprising:
2 converting second Voice over IP packets to second line side local switch signaling; and
3 converting third Voice over IP packets to second 64 Kbps voice payload.

1 12. (New) The method of Claim 10, further comprising transmitting the first Voice over
2 IP packets to a cable modem with a multimedia terminal adapter.

1 13. (New) The method of Claim 1, further comprising transmitting the first Voice over
2 IP packets to a cable modem termination system with an edge router.